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Science and Technology for Tomorrow's Air and Space Force

Success Story

AIR VEHICLES AIAA ASSOCIATE FELLOWS



Dr. Gregory Addington



Dr. Jonathan Poggie



Dr. Jeffery Zweber

Three engineers at the Air Vehicles Directorate were recently announced as American Institute of Aeronautics and Astronautics (AIAA) Associate Fellows. They were selected for this honor based on their accomplishments in significant engineering and scientific work, outstanding merit, and outstanding contributions to the arts, sciences, and technology of aeronautics and astronautics. An engineer must have 12 years of professional experience prior to being considered for this honor.



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Accomplishment

The AIAA named directorate engineers Dr. Gregory Addington, Dr. Jonathan Poggie, and Dr. Jeffery Zweber as Associate Fellows. All three men received this honor because of their significant contributions and accomplishments during their careers.

Dr. Addington is currently the directorate's program manager for the Airframe-Propulsion Integration 6.3 program. Since 1991, he has worked for the directorate researching high angle-of-attack aerodynamics, vortex-dominated flows, and air vehicle stability and control. He was a test engineer at the directorate's Experimental Aeronautical Sciences Laboratories, a research engineer, and a program manager for flow control technology development and airframe-propulsion integration. He received his doctorate in aerospace engineering from the University of Notre Dame in 1998.

Dr. Poggie joined the directorate in 1995 after receiving his doctorate in mechanical and aerospace engineering at Princeton University. He has worked in the areas of experimental hypersonic boundary layer stability and transition, computational plasmadynamics, and magnetohydrodynamics. He is internationally known for his work on developing and evaluating electromagnetic flow control concepts for hypersonic systems, which have the potential to revolutionize the design of aerospace vehicles.

Dr. Zweber received his doctorate in aerospace engineering from the Georgia Institute of Technology in 1995. He is currently the directorate's deputy for the Space Operations Vehicle Integrating Concept Office. Dr. Zweber was the Air Force lead for the directorate's 120-day study for the systems engineering work breakdown structure element of the Air Force and National Aeronautics and Space Administration (NASA) One Team. He represented the directorate on NASA's Space Launch Initiative Systems Engineering and Architecture Definition Evaluation Team. He was also a project engineer for the Supersonic/Hypersonic Vehicle Design Simulation System Dual Use Science and Technology project.

Background

The AIAA has been the principal society of aerospace engineers and scientists for more than 70 years. It is the world's largest professional society devoted to the progress of engineering and science in aviation, space, and defense. Associate Fellows are nominated and elected by their peers in the aerospace community. Newly elected Associate Fellows receive a certificate and lapel pin and are honored at the Associate Fellows dinner held in conjunction with the Aerospace Science Conference.

Additional information

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